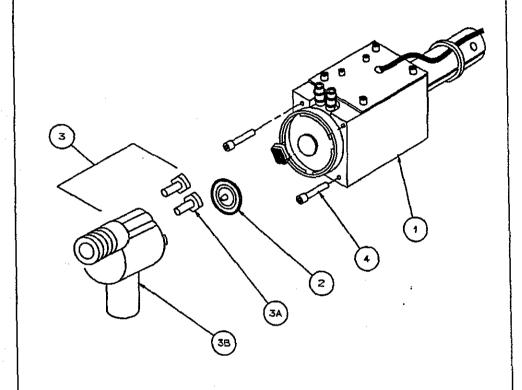


# SECTION 6.0: PARTS LIST

# 

'Item	P/N	Description 3	OF
1	50160	Power Supply PC Board Assembly, V.I.P.	1
2	40013	Screw, 8 - 32X •500 HX CAP	14
3	20174R	Bracket, Mounting, Upright, Right	1
4	20174L	Bracket, Mounting, Upright, Left	1
5	45020	Washer, Insulator #4 X .16	10
6	08833D	Screw, 8 - 32 X .375 SKTHDCP	3
7	20147	Insulator, Power Driver PC Board	1
8	20123	Bracket, Power Drive, PC Board	2
9	40018	Screw, 4 - 40 X .250 PNHD	2
10	03219D	Screw, 6-32 X .375 HXCAP	2
11	04383D	Washer, Nob INTL T LK WASH	2

# 6.5 EXHALATION VALVE

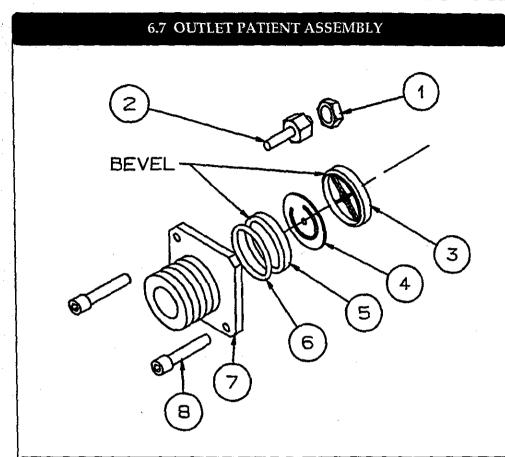


- Item	P/N	Description == *	Qty.
1	15029	Exhalation Valve Assembly	1
2	20107D	Diaphragm, L E	1
3	10088	Exhalation Valve Body Assembly	1
3A	20117	Seal, Barrel, L.E.V.	1
3B	10087	Exhalation Valve Body	1
4	03219	Screw, 6 - 32 X .375	2



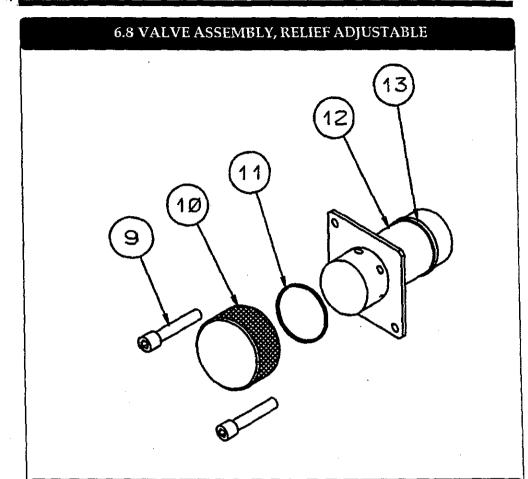
# 6.6 MANIFOLD, V.I.P. BIRD ASSEMBLY 8 7 6 1 2 3

Item	P/N	Description	Oly
1	20125	Manifold, V.I.P Bird	1
2	00576D	Adapter, 10 x 32 x 1/8" Tubing	1
3	00114D	O-ring, .117 X .040	1
4	20293	Screen, Ventilator Right Hand Side	1
5	02865	Screw, 6-32 X .250 HXSKRDH	4
6	33615	Connector, 1/4 NPTM	1
7	09786	Valve, Pressure Relief	1
8	20292	Screen, Ventilator Left Hand Side	1



Item	- P/N	Description	Qty 1
1	01537	Coupling, Panel 1/8 x 3/16 Tube	1
2	01056	Nut, 1/4 - 28 E-Keeps	1
3	05532	Retainer , Valve, Female	1
4	02168	Valve, Flapper	1
5	05531	Retainer , Valve, Male	11
6	02013	O-Ring, .864 x .070	1
7	10089	Outlet, Patient, V.I.P. BIRD	1
8	40013	Screw, 8 - 32 x 1.250 HXSCH	2

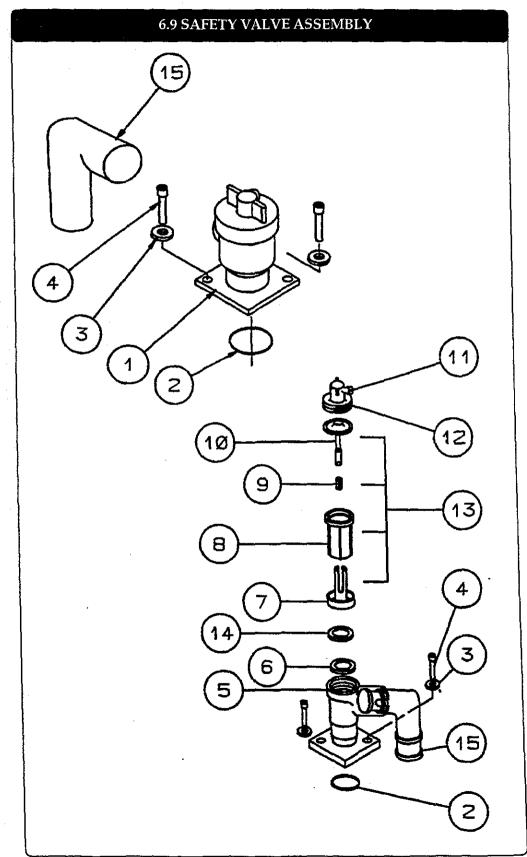




ltem.	PN.	Description 200	Qiy.
В	10092	Valve Assembly, Relief Adjustable	1
9	03219D	Screw, 6 - 32 X .375 HXCAP	2
10	10093	Knob Assembly, Reflief Valve	1
11	30006	O-Ring, .989 X .070 Self Lube	2
12	20134	Body, Relief Valve	1

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	6.9 SAFETY VALVE~PARTS LIST			
ltem	E/N	Description	Qty ,	
1	09754	Safety Valve Asembly	1	
2	.03373D	O-ring, .801 X 0.070 **	1	
3	08964D	Washer, .148 X . 272 X . 030 **	2	
4	03219D	Screw, 6-32 X .375 HXCAP **	2	
5	10158	Valve, Bodyplate Assembly *	11	
6	20244	Seal, Safety Valve *	1	
7	02578D	Valve, Mushroom *	1	
8	02577U	Insert, Exhalation Valve Cartridge *	1	
9	20115	Spacer, Safety Valve *	1	
10	08580D	Diaphragm, Exhalation Valve *	1	
11	04143D	Retainer, Tube Connector	1	
12	00172A	Cap, Exhalation Valve Assembly	11	
13	10004	Cartridge, Safety Valve	1	
14	04501	Washer, 1.100 X .900 X .20	1	
15	09603	Connection, Elbow Safety Valve to	1	
		Manifold, 6400ST **		

<sup>\*\*</sup> Not a part of Item 1

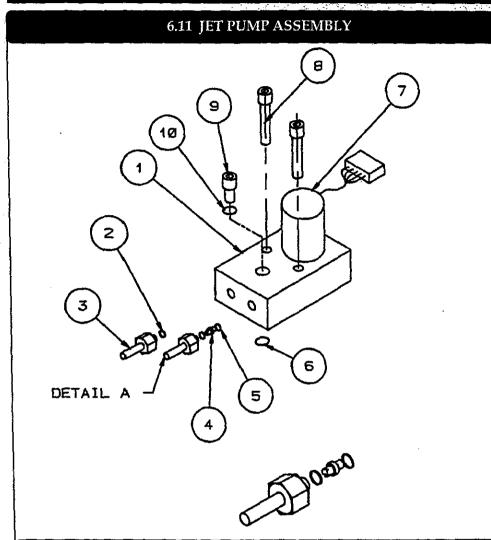
<sup>\*</sup> Subparts of Item 13, cartridge safety valve



# 6.10 PURGE VALVE ASSEMBLY

Item	PN	Description (4)	Eof
В	10180	Assembly, Purge Valve	1
2	00122	Nut, Packing Valve *	1
3	00109D	Washer, .193 X .281 X .031 *	1
4	00138D	O-Ring, .176 X .070 *	1
5	NA	Valve Stem, Flowrate *	
6	NA	Body, Valve*	
7	07849D	O-Ring, .313 X .051 *	1
8	00114D	O-Ring, .117 X .040 *	1
9	00576D	Adapter, 10-32/3A, 1/8" I.D. Tube	2
10	00114D	O-Ring, .117 X .040	2

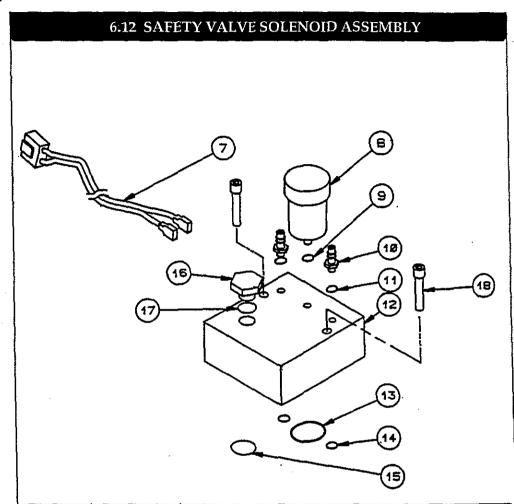
<sup>\*</sup> Subparts of Item P/N 10180 Purge Valve Assembly



Item	PIN	Description.	. Oty
A	15009	Jet Pump Assembly	1
1	20142	Block, Jet Pump	
2	05999D	O-Ring, .180 X .040	3
3	04555	Adapter, 1/4 -28 X 1/2 Tube .104	2
4	08171	Orifice, 020 X 1/16 Tube Blue	1
5	00328D	O-Ring, .176 X .070	1
6	00138D	O-Ring, .070 X .070	1
7	15046	Solenoid Assembly, Jet Pump	
	0274D	O-Ring, .145 X .070	1
	03288	O-Ring, .551 X .070	1
8	40015	Screw, 8 - 32 Plug X 1.00 HXSCHD **	2
9	40026	Screw, 10 - 32 Plug, With Gasket	1
10	09538X	Tubing, 1/8 I.D., Flexible	6"

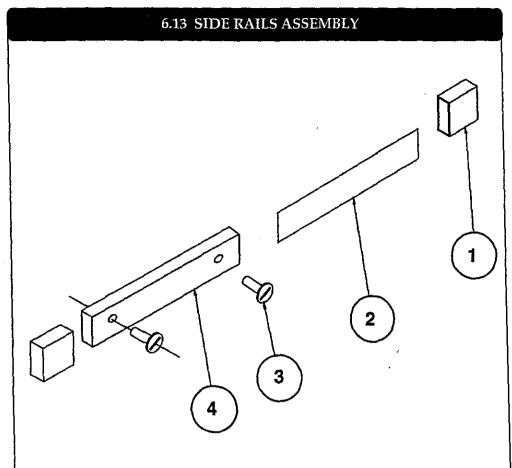
<sup>\*\*</sup> NOT PART OF (P/N 15009)

# SECTION 6.0: PARTS LIST



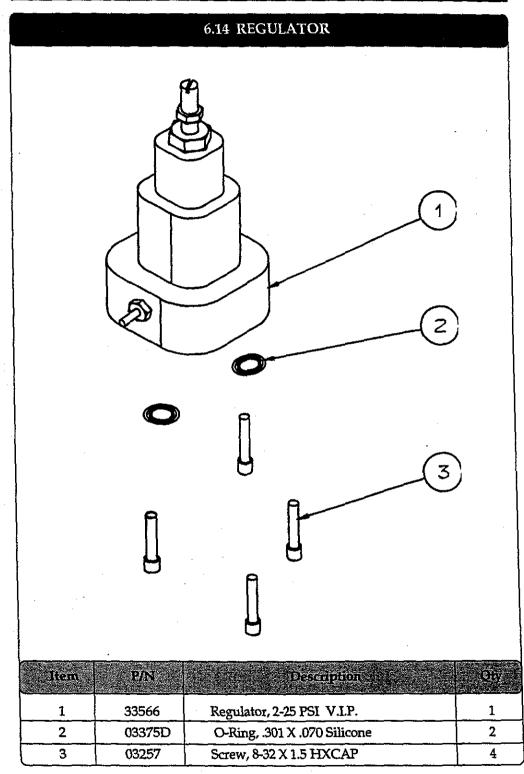
ltem	P/N	Description 1	Oiy
В	08940 .	Solenoid, Cable Assembly (W10)	
		Consists of	1
7	15120	Cable Assembly, Saftey Solenoid Quick	
		Disconnect	1
8	33603	Valve, High Flow, 3-Way	1
9	00274D	O-Ring, .117 X .070	1
10	00576	Adaptor, 10-32/3A, 1/8 Tube	2
11	00114D	O-Ring, .437 X .070	1
12	20145	Block, Solenoid Mounting	1
13	01943	O-Ring, .473 X .070	1
14	00138	O-Ring, .176 X .070	2
15	03375	O-Ring, .301 X .070	1
16	33527	Plug 9/16 - 18	1
17	03808D	O-Ring, .437 1.0 X .078	1
18	03217D	Screw, 8-32 X 1.375 HXCAP*	2

<sup>\*</sup> NOT PART OF (P/N 15013)

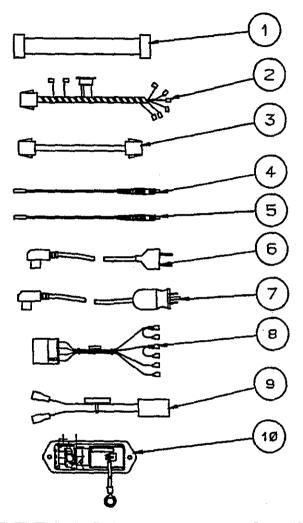


Item	r ∈ P/N <del>- ·</del>	· Description - *	Ŷij
1	09342	CAP, End Rail	4
2	09391	Insert, Side Rail	2
3	03224	Screw, 1/4 - 20X .75 FLHSK	4
4	09696	Rail, Side	2



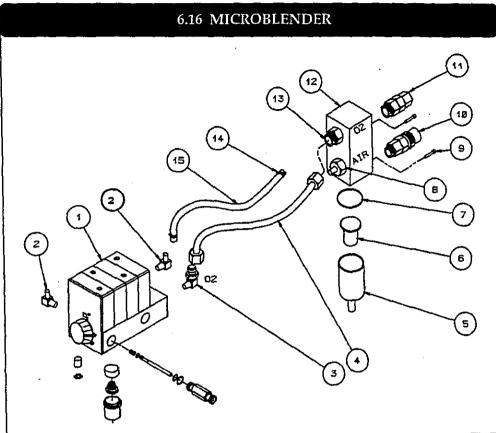


# 6.15 CABLE ASSEMBLIES

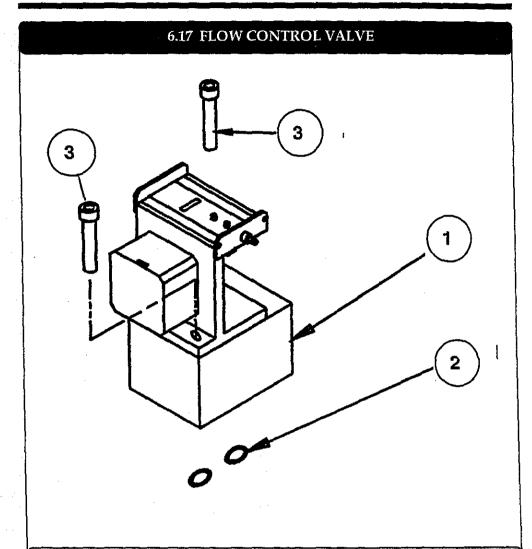


Item	P/N	Description 2	Oly
1	15044	Cable Assembly, Power Input V.I.P	1
2	15039	Cable Assembly, Power V.I.P.	1
3	15043	Cable Assembly, Data Interconnection	1
4	15016	Blue Cable, Fiber Optic 18 Inch	1
5	15126	Grey Cable, Fiber Optic 18 Inch	1
6	08925C	Powercord, 230V Right Angle	1
7	08925C	Powercord, 115V Right Angle	1
8	15116	Cable Assembly, Flow XDCR Manifold	1
9	15120	Cable Assembly, Safety Solenoid	1
10	15085	Cable Assembly, Power Entry W/O Switch	



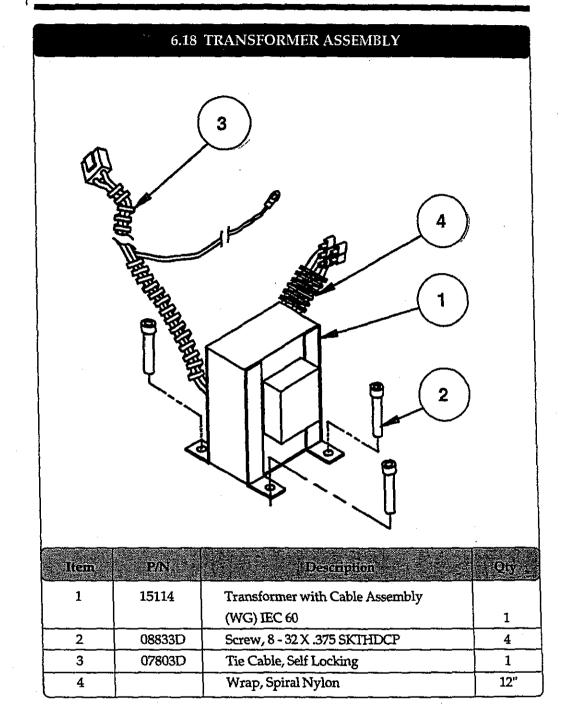


Item	A-P/N	Description ( )	Oiy
1	10160	MicroBlender	1
2	33521	Adapter, 90°, 1/8 NPT 1/4 Tube	2
3	00086	Adapter, 9/16 18 X 1/8 NPT ML	
		Connector, 1/8 NPT X 1/8 NPT MF EL	
4	09788X	Tubing 1/4 ID Reinforced	17"
5	09787	Clamp, Hose	
6	10197	Hose, Assembly, 0_, .25 ID	
7	03864L	Inlet Assembly, 0_ DISS	
8	10078	Inlet Assembly, Air	1
9	09835	Connector, 1/4 NPT - 1/4 Tube	
10	00610	ADAPTER, 9/16 18 X 1/4 NPT	
11	33519	Block, Air Inlet Filter	
12	06194	O-Ring, Filter	
13	06146	Filter, Element with Retainer	
14	06195	Housing, Filter	
15	05436	Alarm, Blender Bypass Assembly	
16	31000	Spring, .84 X .50 X. 325 SS	
17	03903	Plug, Foam Alarm CAP	
18	03314	Ring, Star Retainer, Internal, .39	
19	03319	Muffler, Bleed	



Item	P/N	Description	069
11	15005	Valve, HS/Flow V.I.P.	1
2	03374D	O-Ring, .364 X 0.070	2
3	03225	Screw, 8 - 32 X 2.00 HXCAP	2

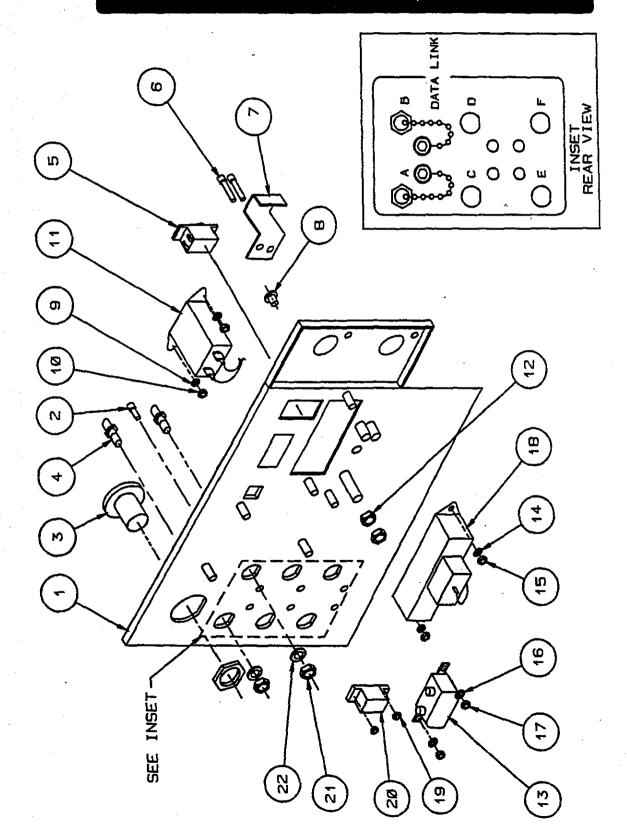
# SECTION 6.0: PARTS LIST



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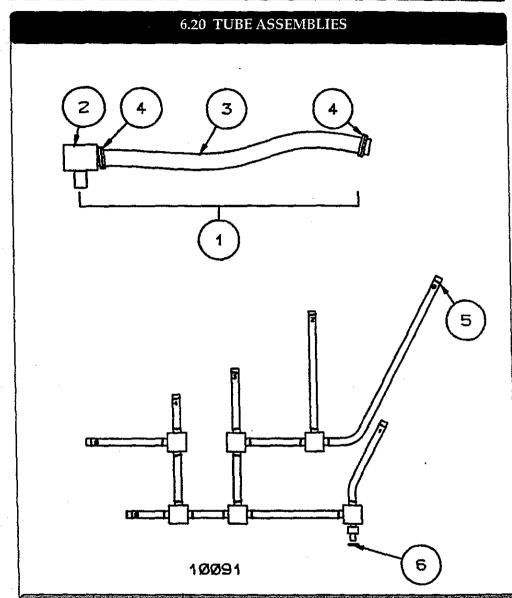


# 6.19 PANEL ASSEMBLY, REAR

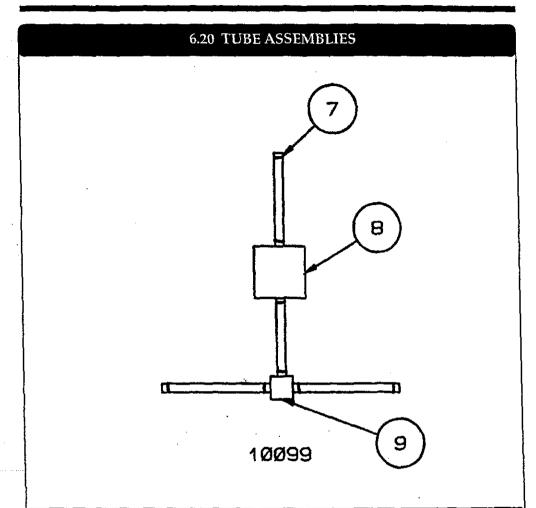


	6.19 PAN	IEL ASSEMBLY, REAR – PARTS LIST	
ltem 2	P/N	Description	Qty :
1	20121	Panel, Rear V.I.P.	
2	03219	Screw, 6-32 X .375 HXCAP	6
3	03514	Connector Assembly, Male, 3 Pin (W1)	1
4	33628	Cap, Fiberoptic Connection	
5	68031	Switch, Voltage Regulator	
6	08833D	Screw, 8-32 X .375 SKTHDCP	2
7	06148	Bracket, Powercord	1
8	04647	Plug, Hole, .250 DIA Black	5
9	04383	Washer, No. 6 INTL TLK	12
10	07212	Nut, 6-32 X .093 Depth	6
11	09626	Meter, Hour 12 - 24 VDC	1
12	01066	Nut, 1/4 - 20 E KEPS	2
13	09625	Filter, AC Input	1
14	04383	Washer, No. 6 INTL TLK (Same as #9)	12
15	07212	Nut, 6-32 X .093 Depth (Same as #10)	6
16	07212	Nut, 6-32 X .093 Depth (Same as #10)	6
17	04383	Washer, No. 6 INTL TLK (Same as #9)	12
18	15085	Cable Assembly, Power Entry W/OSW	
19	03110	Nut, 4-40 UNC2B X .087 HEX	2
20	15044	Cable Assembly, Power Input	
21	33528	Connector, Bulkhead, Fiberoptic	2

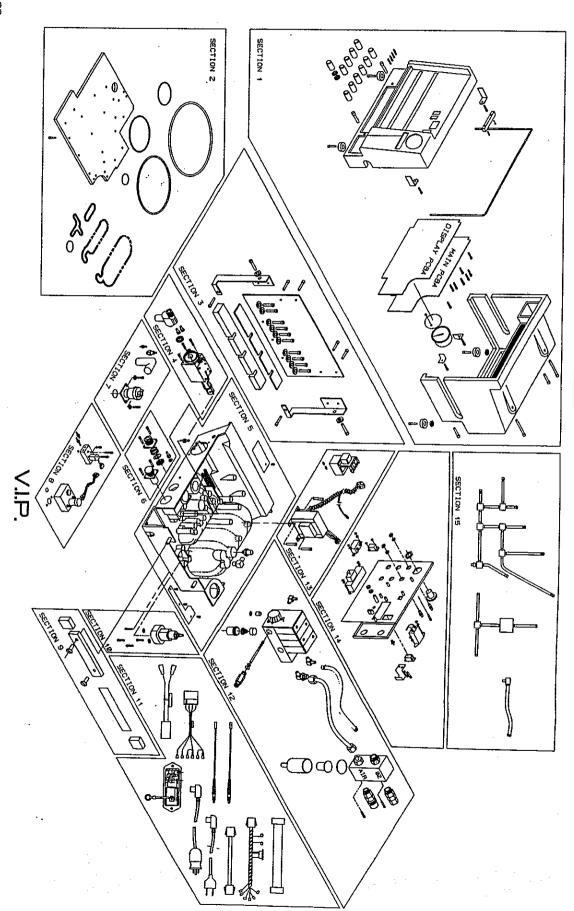
# PARTS LIST



Item 3	P/N	Description > 3	Olympi
1	08934	Tube Assembly, Regulator Exhaust	
2	04506	Connector, 7.5mm X 1/8	1
3	09538X	Tubing, 1/8 I.D. Flexible	2
4	01587	Bracelet, 1/8 Tube	2
<del> </del>	10091	Tube Assembly, Prox	1
5	02189	Bracelet	24
6	06435	O-Ring, .097 X .026	1



Item	P/N	Description :	Qtv.
7	10099	Tubing Assembly, Muffler	1
7	02189	Bracelet, 5/16 Tube	11
8	15119	Muffler Assembly	11
9	00358	Connector, Tee 4.5mm X 1/8	1
10	08171	Orifice, Fixed .020 X 1/16 Tube Blue	1



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# Glossary

V.I.P. BIRD® Infant-Pediatric Ventilator Service Manual



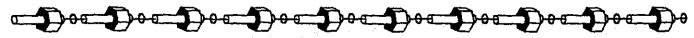
A/D	Analog to Digital
amp	Ampere
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
BPM	Breaths Per Minute
C	Compliance
°C	Degrees Centigrade
CIRC	Circuit
cm	Centimeter
cmH <sub>2</sub> O	Centimeter of Water Pressure
cmH <sub>2</sub> O/LPS	Centimeter of Water Pressure Per Liter Per Second
CMV	
CPAP	Continuous Positive Airway Pressure
D/A	Digital to Analog
DISS	Diameter Index Safety System
DVM	Digital Volt Meter
ETO	Ethylene Oxide
°F	Degrees Fahrenheit
FIO2	Fractional Concentration of Inspired Oxygen
H	Height
Hz	Hertz
I.D	Internal Diameter
I:E	Inspiratory Time to Expiratory Time Ratio
(I)	ON
IMV	Intermittent Mandatory Ventilation
kg	Kilogram
kg/cm2	Kilograms Per Square Centimeter
Ib	Pound
LED	Light Emitting Diode
LPM	Liters Per Minute
ml	Milliliter
msec	Millisecond
mV	Millivolt
(O)	OFF
O.D	Outside Diameter



) <sub>2</sub>	Oxygen
PEEP	Positive End Expiratory Pressure
?/N	Part Number
PSI	Pounds Per Square Inch
PSIG	Pounds Per Square Inch Gauge
R	Resistance
SIMV	Synchronized Intermittent Mandatory Ventilation
	Time
TCPL	Time Cycled, Pressure Limited
UL	Underwriters Laboratory
VAC	Volts Alternating Current
VDC	Volts Direct Current
Vt	Tidal Volume
<b>W</b>	Weight

# Bulletins

V.I.P. BIRD® Infant-Pediatric Ventilator Service Manual



1994



No: SE0003-94

TO: All VIP Service/Operator Manual Holders

SUBJECT: VIP Bird - Reported Vent Inops

FROM: Technical Service DATE: April 22, 1994

# **BACKGROUND**

Bird Products Corporation is notifying users of the V.I.P-Bird Infant Ventilator that a cause for activation of the ventilator inoperative alarm could be one of the following:

- 1. Excessive (greater than twice the limit specified in the Food and Drug Administration's Medical Device Standard MDS-201-0004) electromagnetic interference.
- 2. Excessive Electrostatic Discharge between the device and operator.

The Operator's Manual and Service Manual both contain the following warning:

The function of this unit may be adversely affected by the operation of equipment such as high frequency surgical (diathermy) equipment, defibrillators or shortwave therapy equipment in the vicinity.

The end-user should take appropriate precautions to avoid close proximity to sources of Electrostatic Discharge or Radio Frequency Interference.

The V.I.P Bird meets the MDS-201-0004 Electromagnetic Compatibility Standard. The frequency of Vent Inop occurrences due to the effects of Electrostatic Discharge and Radio Frequency Interference is rare and appears to be isolated to only a few users. As such, Bird Products Corporation does not believe the population of installed ventilators to be at any significant risk in terms of safety or efficacy.

An enhancement kit (P/N 10326-Standard V.I.P.; P/N 10327-V.I.P. w/ Flow Sync) is available to users having ventilators that exhibit Vent Inop due to the influences from Electrostatic Discharge and or Radio Frequency Interference. This kit is already incorporated in all VIP-Bird infant ventilators with serial numbers above KDJ01354.

If you have any questions or concerns regarding this matter, please contact Bird Products Corporation Technical Service Department at (800) 934-2473.

